Don't Just Surf...

Catch the Wave!

29-30 April 2003

NAVAIR WD Technical Library

(760) 939-3389 (DSN 437-3389) or

nwtechlib@navair.navy.mil

How are you going to learn to catch t

- **Our easy-to-use tips will get you there.**

- **No need for any in-depth understanding of the i of the Web.**

- **Just 1-2-3!**

But…before you can actually catch th
have to get up on the board!

SURFING 101
A Review

Tip #1: Understand differences between s[...]
engines and directories.

- **Use subject directories for *broad* topics.**
    - Yahoo! (http://www.yahoo.com)
    - Librarians' Index to the Internet (http://www.lii.org)

- **Use search engines for *narrow* topics, *specific* documents, *specific* names, etc.**

    - Google (http://www.google.com)
    - Scirus (http://www.scirus.com)
    - Teoma (http://www.teoma.com)

Tip #2: Choose your favorites and practice, practice, practice!

Tip #3: Let the search service help you!

- Use the web resource's *help* and *tip* screens to learn about the nuances of the individual tool.

- If the search service has a tutorial, use it!

- If the search service has advanced options, find out how they work!

Tip #4: Learn to use Boolean tools…AND, O

- **Boolean tools are used to expand or narrow the**

- **Standard across search systems.**

- **AND (+) narrows the search**
- **OR   expands the search   CAP LETTERS**
- **NOT (-) limits the search**

- **Some search systems default to OR, some defaul**

Tip #5: Use alternate terms rather than us

- **Too many hits? Use a more specific term.**
  - Not *radar* but *doppler radar*

- **Not enough hits? Expand your term. How do ot**
  - F/A-18 = hornet, super hornet, fighter

Tip #6: Use specialized search systems.

- **SearchAdobePDF Online (http://searchpdf.adobe**
- **Use image search when searching for pictures, i**
- **http://search-engine-index.co.uk/Images_Search**

Tip #7: Use the related hot links on your search results.

• **Other web pages hidden below search results' descriptions will be similar to the one(s) of interest in your search results.**

- Google related hot links – "Similar pages"
- AltaVista related hot links – "Related pages"
- Yahoo! related hot links – "More sites about"

Tip #8: Use the cache.

• **Google allows the engine to search for discontinued web sites that still may be of value.**

- No linking from the cached page, but still completely readable.

Tip #9: Try a shorter URL.

- Web pages deep within a web site change addresses
reconfigurations
- URL may not always work like it did.
- **Try cutting off one "piece" of the URL at a time**

Tip #10: Add an *s* to *http* for .gov and .mil

- *403 Forbidden Pages* – Areas that give you this messa
typically accessible, but not by you.
- It may be a secure site only accessible from a .mil co
- **Try *https*://www.etc.etc. instead of *http*://www.et**

Now that you remember how to get on the board …

"Catch a wave, and you're sitting on top of the world…oo-ahh, oo-ahh, oo-ah-ahh."

Dude, surf's up!

Catch a Wave
10 Easy Tips for More Refined Searching!

Tip #1: Think about capitalization.

In general, use the lower case in search engines.

> *china* = china, China, CHINA
> *China* = China

Exception to the rule:
If you know for a fact that 80% of the time the word will be capitalized and this will help to limit your results, then capitalize the word.

Also remember from Surfing 101:
CAPITALIZE all letters in Boolean operators (AND, OR, NOT)!

Tip #2: Use item indicators.

Looking for audio files?

• Add terms like *listen*, *hear*, *sound*, or *audio* to your search terms.

• Look for **.mpeg**, or **.wav** in the URLs on your search results page.

Looking for statistics or graphs?

• Add terms like *chart*, *graph*, or *statistics* to your search terms.

• Look for **.xls** in the URLs on your search results page.

Looking for white papers or opinion papers?

• Use Google, especially good for individual documents.

• Look for **.pdf**, or **.doc** in the URLs on your search results

Tip #3: Use FIND when dealing with l
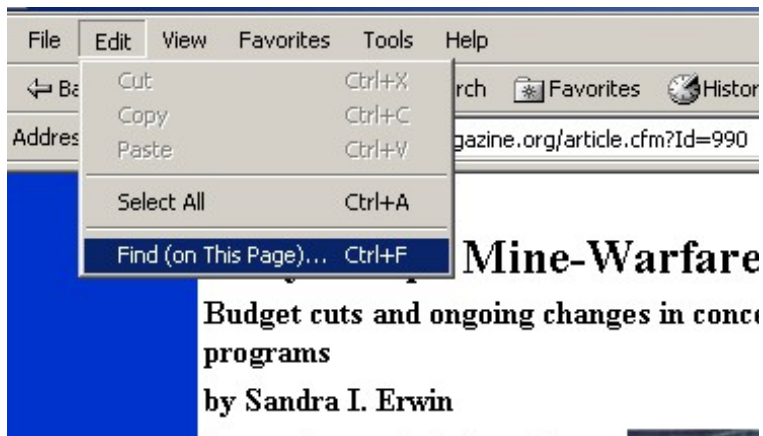
Web Pages

1. Edit

2. Find (on This Pag
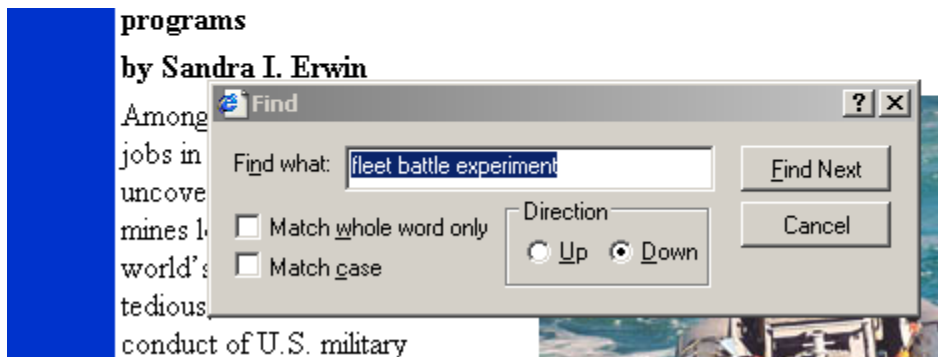
3. Enter term(s)

4. Press "Find Next"

Tip #3: Use FIND when dealing with l
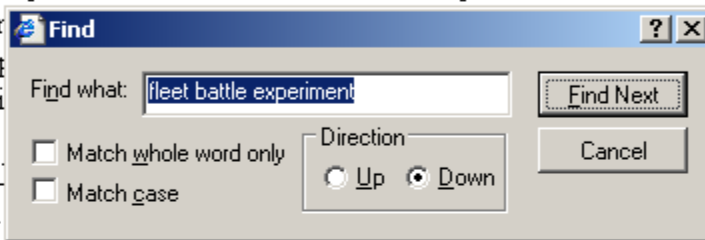
5. Matches highlig

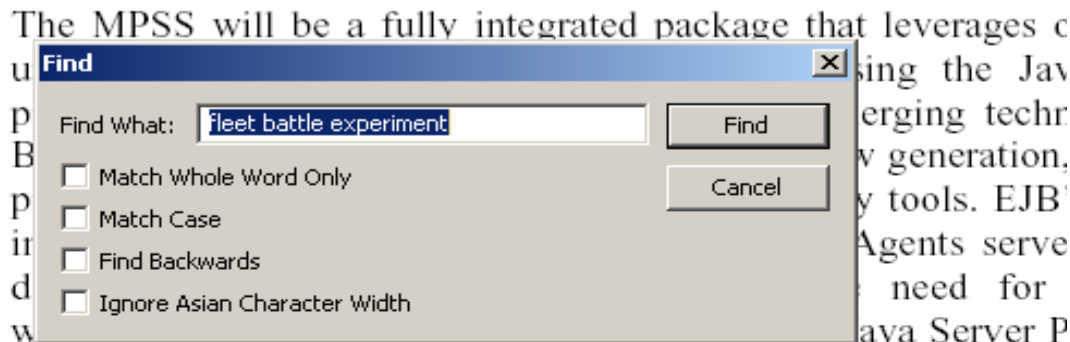6. Repeat as neces

Tip #3: Use FIND when dealing with
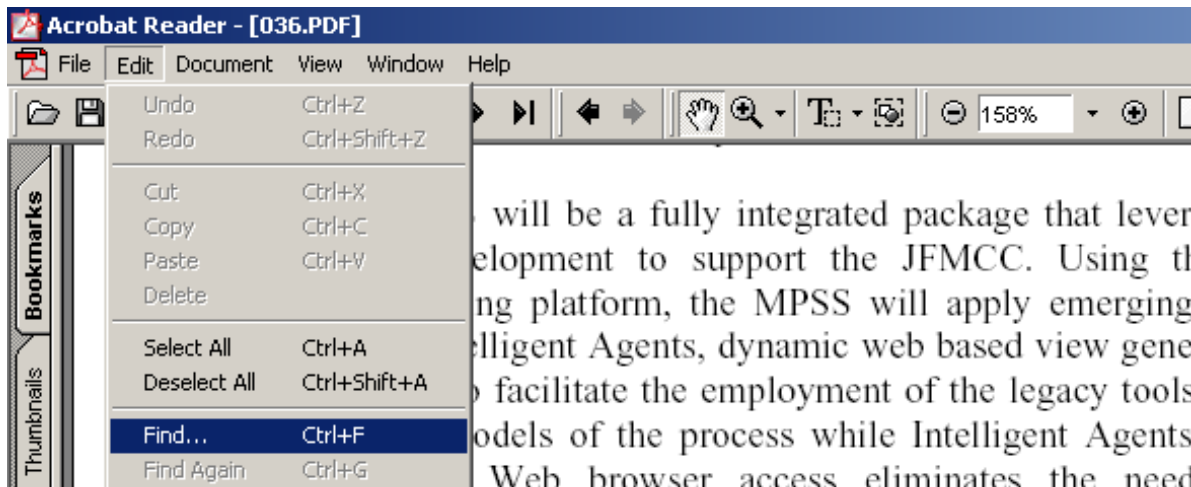
PDF Documents

1. **Edit**

2. **Find**

3. **Enter term(s)**

4. **Press "Find"**

Tip #3: Use FIND when dealing with l
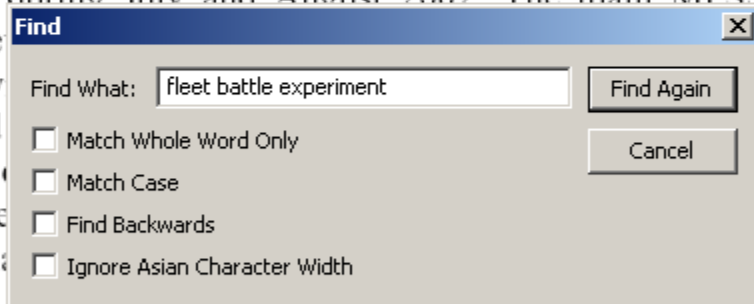
5. **Matches highlighted**

6. **Repeat as necessary**

Tip #4: Use reverse questions.

- **Think REVERSE Jeopardy! Form a question as a**

Hey Alex! When's surf up?

- **Search engines match the words in y**

- **Word your query the way you expect** ~~the answer~~ **er to be displayed in the result.**

Try "surf is up" or "surf will be up".

Tip #4: Use reverse questions.

Google™

"when was george washington born"   ← Google Search

"when was george washington born"

AnswerBus Question Answering System - **When was George Washington ...**
Type in your question in English, French, Spanish, German, Italian
or Portuguese. Question: **When was George Washington born**? ...
www.answerbus.com/cgi-bin/ answer.cgi?When%2Bwas%2BGeorge%2BWashington%2Bborn%3F - 4k - Cached - Similar

AnswerBus: Sample Questions From START
... Tell me about the history of South Africa. When did Abraham Lincoln die? **When
was George Washington born**? Who was vice president under Thomas Jefferson? ...
www.answerbus.com/corpus/start.shtml - 13k - Cached - Similar pages

American Presidents: Life Portraits
... Ask students some sample questions and have them practice "reading" the timeline
to locate simple facts: A start point: **When was George Washington born**? ...
www.americanpresidents.org/classroom/gen14.asp - 15k - Cached - Similar pages

[PPT]www.sd81.k12.wa.us/sheridan/sherfair%20pages/Mr.%20S's%20class%20pages/yelena's%20web
File Format: Microsoft Powerpoint 97 - View as HTML
... 3.) What president was George Washington? a)42 b) 1) c.)29 d.)1,000,000.
4.) **When was George Washington born**? a)1890 b)1732 c)2001 c)2010. ...
Similar pages

About Io
... If you ask it **When was George Washington born**?, it searches for documents
relevant to the query and extracts entities from those documents. ...
www.ionaut.com:8400/aboutio.html - 5k - Cached - Similar pages

Tip #4: Use reverse questions.

Google™

Advanced Search Preferences Language Tools Search Tips

"george washington was born"   ◄   Google Search

"george washington was born"

George Washington Was Born
... **George Washington Was Born** February 22, 1732 Americans celebrate George Washington's birthday, along with Abraham Lincoln's, on "President's Day." "President's ...
www.americaslibrary.gov/cgi-bin/page.cgi/ jb/colonial/washingtn_1 - 8k - Cached - Similar pages

George Washington Was Born
... **George Washington Was Born** February 22, 1732 A clue to George Washington's birth date is found in this 1790 letter by Tobias Lear, Washington's secretary and ...
www.americaslibrary.gov/cgi-bin/page.cgi/ jb/colonial/washingtn_2 - 9k - Cached - Similar pages
[More results from www.americaslibrary.gov]

SPECTRUM Biographies - George Washington: 1st President of the ...
... **George Washington was born** on a farm in Virginia in the winter of 1732. The farm was on land his grandfather had settled after emigrating from England. ...
Description: Biography and fact file compiled for students. Includes list of recommended books.
Category: Kids and Teens > School Time > ... > Washington, George
www.incwell.com/Biographies/Washington,George.html - 21k - Cached - Similar pages

Today in History: February 22
... How do we really know when **George Washington was born**? Tobias Lear, Washington's secretary and close friend, gave the world a clue. ...
memory.loc.gov/ammem/today/feb22.html - 15k - Cached - Similar pages

George Washington
... Barbary Pirates. A Life in Brief. **George Washington was born** into a mildly prosperous Virginia farming family in 1732. After George's ...
Description: Fact file and comprehensive biographical sketch based on PBS series. Includes lesson plans a
Category: Society > History > ... > Presidents > Washington, George

Tip #5: Use a reliable source.

Teoma – A search engine that identifies experts' sites, pages that are "link rich," and has already filtered out the garbage for you!

http://www.teoma.com

Tip #5: Use a reliable source.

Tip #5: Use a reliable source.

Search Tips

TEOMA℠ | "saddam hussein" | Search   • Advanced Search
                                                  • Preferences

☐ Find this phrase

Resources
Link collections from experts and enthusiasts

Iraq Studies – US Government
Resources on Iraq – A...
www.academicinfo.net/...

CNN NEWSROOM Guide for June 24,
2002 -- Text-Only ...
www.turnerlearning.com/...

IRAQ
www.usembassy.at/...

AlterNet: War on Iraq: News Log
Archive
www.alternet.org/...

Iraq - The Gulf/2000 Project - SIPA -
COLUMBIA UNI...
gulf2000.columbia.edu/...

The Journalist's Toolbox: Iraq and U.S.
Conflict
www.journaliststoolbox.com/...

**Notice no "saddam husse[in]"
in the titles, but they look [like]
collections that might be
pertinent.**

Tip #5: Use a reliable source.

American Press Institute (API)

THE JOURNALIST'S TOOLBOX
Online Resources for Reporters & Editors

Iraq: Potential U.S. Military Operations
Fourteen pages in .PDF format.

Carnegie Endowment for International Peace "Crisis in Iraq"
Updated news stories, analysis by experts and coordinates for analysts with direct e-mail and phone contact info.

Council on Foreign Relations: Iraq
Background information and reprints of articles making the Bush administration's case for war, as well as other perspectives. Includes a list of CFR experts on the topic.

Iraq Watch
This is published by the Wisconsin Project on Nuclear Arms Control. The Wisconsin Project carries out research and public education designed to inhibit the spread of nuclear weapons, chemical/biological weapons and long-range missiles. It is a private, non-profit, non-partisan foundation that operates in Washington, D.C. under the auspices of the University of Wisconsin.

Iraq Watch: Government Documents
Contains links to the most important government documents on Iraq over the past decade. These are US and foreign sources, including Official reports, letters, testimonies, legislation, and policy statements.

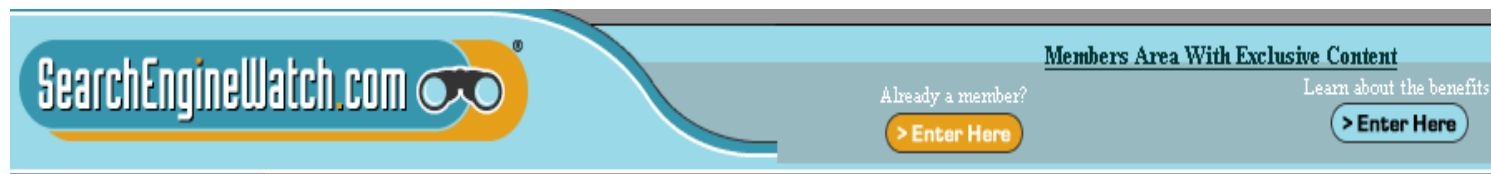# Tip #6: Become a search engine expe

SearchEngineWatch.com
http://www.searchenginewatch.com

This site will give you quick facts, or in-depth details ab
search engines, their strengths, weaknesses, functiona
individual syntax, and capabilities.

Tip #6: Become a search engine expe

SearchEngineWatch.com

Members Area With Exclusive Content

Already a member?
> Enter Here

Learn about the benefits:
> Enter Here

>> Departments

Search Engine Submission Tips

Web Searching Tips

Search Engine Listings

Reviews, Ratings & Tests

Search Engine Resources

SearchDay

Search Engine Report

Link Popularity and the Myth of the Guestbook Link

April 15, 2003 - Link popularity is crucial for your pages to rank well in search engines, but the value of guestbook links is questionable, at best, and potentially lethal, at worst.

Searching Images of Popular Culture

April 14, 2003 - Want a look at a Time Magazine cover from 1923? How about album covers for Blue Note records, or Chateau Mouton Rothschild Wine Labels? A searchable image database lets you view all of these, and more.

SearchDay Week In Review

April 11, 2003 - The Week in Review, Apr. 7 - 11, 2003, including the week's most interesting and provocative search engine forum discussion topics.

Data Mining the Lycos 50

April 10, 2003 - Dig deep within the Lycos 50 list of most popular search terms and you'll find a wealth of fascinating information that not only reveals trends but serves as a goldmine for search engine optimization efforts.

Tip #6: Become a search engine expe

Web Searching Tips

This section of Search Engine Watch provides tips on using search engines better, along with some fun facts such as what people search for on search engines.

Using Search Engines Better

Search Engine Math
Explains how to use simple commands to improve the results you get from search engines.

Power Searching For Anyone
A summary of how to do advanced searches with the major search engines, including field searching.

Search Assistance Features
A summary of how to do advanced searches with the major search engines, including phrase searching.

Search Features Chart
A one page summary of major search commands and operators at various search engines, plus a comparison of special search features.

Search Links: Search Engines Worldwide
Search Links is a collection of search engines, ranging from the major global search engines to those designed for kids

Search Engine Tutorials
Links to tutorials, guides, articles and resources to help you use search engines better

Search Utilities
Covers toolbars that let you access search engines, meta search utilities and other programs to help with searching.

Advertise with Overture and increase your advertising ROI.

Sponsored by Overture

>> Departments

Search Engine Submission Tips

Web Searching Tips

Search Engine Listings

Reviews, Ratings & Tests

Search Engine Resources

SearchDay

Search Engine Report

Members Area

>> Site Info

Tip #7: Use reverse link searching.

• Finds "more like this," by looking for pages tha
particular web page.

• Find web sites covering the same general topic
you're looking at.

• Good way to find hidden relationships between
organizations.

Tip #7: Use reverse link searching.

Google, **AltaVista**
In the search box, type in ***link:the.site.you.like***

| Web | Images | Groups | Directory | News |

link:www.acq-ref/navy
· Advanced Search
· Preferences
· Language Tools

Google Search   I'm Feeling Lucky

link:www.acq-ref.navy.mil

Tip #8: Use "site" search.

- **Search around a site before you give up on it.**

- **Not all pages within a site are indexed by the search engine so the site may not appear to match your search criteria, but beware...**

- **Some snooping around may uncover gems!**

Tip #8: Use "site" search.

- **Use a site's own "Search" function.**

- **Use a site's "Site Map."**

- **Pull down all the pull-down menus you can find**

- **Use the _site:_ query.**

Tip #8: Use "site" search.

Google™

| Web | Images | Groups | Directory | News |

navy AND "desert storm" AND site:www.fas.org

- Advanced Search
- Preferences
- Language Tools

Google Search   I'm Feeling Lucky

navy AND "desert storm" AND site:www.fas.org

Searched pages from **www.fas.org** for **navy AND "desert storm" AND**:

Operation Desert Storm
... **Navy** Documents. ... OZ REVISITED: RUSSIAN MILITARY DOCTRINAL REFORM IN LIGHT OF THEIR
ANALYSIS OF **DESERT STORM** EDWARD J. FELKER School of Advanced Airpower Studies ...
Description: Research and statistical information on Operation **Desert Storm**, with lots of useful links to external.
Category: Society > History > ... > Wars and Conflicts > Persian Gulf War
www.fas.org/man/dod-101/ops/desert_storm.htm - 14k - Cached - Similar pages

Operation Desert Shield
... **Navy** Documents. THE UNITED STATES **NAVY** IN "DESERT SHIELD" / "**DESERT STORM**": II.
"THE GATHERING STORM" III. "A COMMON GOAL" IV. "BULLETS, BANDAGES AND BEANS" ...
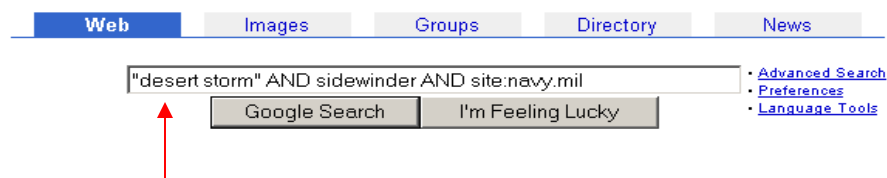www.fas.org/man/dod-101/ops/desert_shield.htm - 6k - Cached - Similar pages

PRE-DESERT STORM MISSIONS AND ACTUAL USE Appendix VII Operation ...
... report as a shortcoming.\1 -----1 See Naval Aviation: The **Navy** Is
Taking ... 7, 1993), for more information on F/A-18 limitations in **Desert Storm**. ...
www.fas.org/man/gao/nsiad97134/app_07.htm - 9k - Cached - Similar pages

IMINT - **Desert Storm** / Iraq
... This US **Navy** TARPS photo shows an Iraqi Tu-16 Badger bomber, already unserviceable
at the outbreak of war, placed at an airfield to attract coalition fire ...
www.fas.org/irp/imint/ds_06.htm - 3k - Cached - Similar pages

Tip #8: Use "site" search.

Google™

| Web | Images | Groups | Directory | News |

"desert storm" AND sidewinder AND site:navy.mil

· Advanced Search
· Preferences
· Language Tools

[Google Search]   [I'm Feeling Lucky]

"desert storm" AND sidewinder AND site:navy.mil

NAVAIR WD: Firsts
... 1958-Now, **Sidewinder**. World's most successful dogfight missile. 1956-1958,
SLAM. First launch from A-6E Intruder. 1989, **Desert Storm**/Shield. Sparrow. ...
www.nawcwpns.navy.mil/r2/mj/Firsts.htm - 55k - Cached - Similar pages

NAVAIR WD: Firsts and Major Accomplishments by Category
... ca 1956, Vietnam War. **Sidewinder**. World's most successful dogfight missile. 1956-1958,
SLAM. First launch from A-6E Intruder. 1989, **Desert Storm**/Shield. Sparrow. ...
www.nawcwpns.navy.mil/r2/mj/Categor2.htm - 56k - Cached - Similar pages

Desert Storm: The war with Iraq
... Norfolk 28 December 1990, and arrived just in time for the beginning of **DESERT STORM**. ... profile
to air-to-air, and downed both aircraft using **Sidewinder** missiles ...
www.history.navy.mil/wars/dstorm/ds5.htm - 52k - Cached - Similar pages

Tip #9: Use "title" search.

- Use title searching to retrieve results that are ~~v~~ matches.

- Use *allintitle:* to require that every word in your~~...~~ appear in the title of the web page.

- Use *intitle:* immediately in front of every word y~~...~~ require in the title of the web page.

Tip #9: Use "title" search.

allintitle:navy "desert storm"

Tip #9: Use "title" search.

Google™

| Web | Images | Groups | Directory | News |

intitle:"desert storm" AND intitle:navy AND carrier*

- Advanced Search
- Preferences
- Language Tools

Google Search   I'm Feeling Lucky

intitle:"desert storm" AND intitle:navy AND carrier

United States **Navy** in Desert Shield/**Desert Storm**
... _____. "**Navy's** Version of **Carrier** Contribution to Desert Shield/**Desert Storm**." Armed Forces Journal International 129 (February 1992): 44. ...
www.history.navy.mil/biblio/biblio5/biblio5e.htm - 78k - Cached - Similar pages

Navy History Operation **Desert Storm**
... role in Operations DESERT SHIELD and **DESERT STORM** is clear. ... **Navy** aircraft struck targets up to 700 miles distant ... The four **carrier** battle groups operating in the ...
www.cpf.navy.mil/cpffacts/historybrief/sld014.htm - 4k - Cached - Similar pages

On Course to **Desert Storm**: The United States **Navy** and the Persian ...
... Book On Course to **Desert Storm**: The United States **Navy** ... On the contrary, the **Navy**, during the Vietnam ... height of its operational versatility: **Carrier** air strikes ...
www.american-webshop.com/book/0945274092 - 29k - Cached - Similar pages

Tip #10: Search the invisible Web.

Like dude, where's my car?
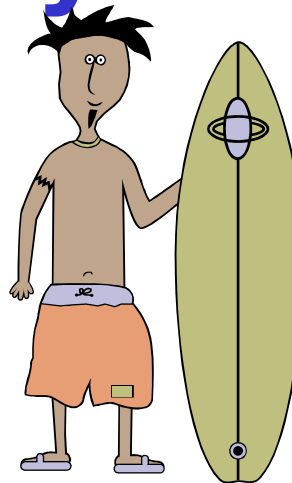
Tip #10: Search the invisible Web.

Invisible Web

Text pages, files, or other often high-quality authoritative information available via the World Wide Web that general-purpose search engines cannot, due to technical limitations, or will not, due to deliberate choice, add to their indices of web pages. Sometimes also referred to as the "Deep Web" or "dark matter."

Source:
Sherman, Chris; Price, Gary. *The Invisible Web: uncovering information sources search engines can't see*. Medford, New Jersey: Information Today, Inc., 2001.

Tip #10: Search the invisible Web.

- **Search for sources, not just information**

    If you have no immediate success finding information   on the Web, assume it is buried in the invisible Web,   and is therefore not searchable with a general search   engine.

    Find out what organizations have an interest in the topic   at hand, and search for a contact.

Tip #10: Search the invisible Web.

- **Think "databases"**

    Much of the invisible Web is hidden in databases that are limited to certain identified user groups.

    The data within the database is not indexed, but generally the name of the database or the general subject of the database is searchable via a search engine.

    Find "free" databases by searching for keywords and combining with the word *database.*

Tip #10: Search the invisible Web.

- **Visit web directories and portals**

    Academic directories and portals are excellent ways to find buried information within the invisible Web.

    Provide access to information that has been selected, evaluated, categorized, and indexed for easy searching.

    Can be subject specific, or cover a wide range of subjects.

    Provide large collections of links.

And finally…when to say when?

- **Shift gears and change your search strategy if y**
no luck within 15 minutes.

- **Call it quits (or call a librarian) when:**
    You are running out of time!
    You're seeing the same references over and over!
    You've tapped out the resources at your desktop!
    The 80:20 rule has kicked in!
    Everything's checked off in your bag of tricks!

Who can you call for help?

Technical Library Information Hub
939-3389, DSN 437-3389,
NWTechLib@navair.navy.mil

Sandy Bradley, Library Director
939-1017, DSN 437-1017,
sandra.bradley@navy.mil

Robin Daly, Course Creator
939-4636, DSN 437-4636, robin.daly@navy.mil

Linda Robinett, Course Presenter
939-3024, DSN 437-3024,
linda.robinett@navy.mil

Bob Bloudek, System Administrator

Questions?